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Search Results -

Terms	Documents
L2 with (muta\$ or substitut\$ or replace\$)	17

Database:

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 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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L3

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Search HistoryDATE: Tuesday, April 15, 2003 [Printable Copy](#) [Create Case](#)

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

L3 L2 with (muta\$ or substitut\$ or replace\$)17 L3L2 L1223 L2

DB=USPT; PLUR=YES; OP=ADJ

L1 pyruvate carboxylase223 L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 17 returned.**☐ 1. Document ID: US 6503748 B2

L3: Entry 1 of 17

File: USPT

Jan 7, 2003

US-PAT-NO: 6503748

DOCUMENT-IDENTIFIER: US 6503748 B2

TITLE: Endogenous ketogulonigenium plasmid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 2. Document ID: US 6485966 B2

L3: Entry 2 of 17

File: USPT

Nov 26, 2002

US-PAT-NO: 6485966

DOCUMENT-IDENTIFIER: US 6485966 B2

TITLE: Compositions and methods for helper-free production of recombinant adeno-associated viruses

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 3. Document ID: US 6472212 B1

L3: Entry 3 of 17

File: USPT

Oct 29, 2002

US-PAT-NO: 6472212

DOCUMENT-IDENTIFIER: US 6472212 B1

TITLE: Methods and compositions for genetically modifying primate bone marrow cells

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 4. Document ID: US 6455284 B1

L3: Entry 4 of 17

File: USPT

Sep 24, 2002

US-PAT-NO: 6455284

DOCUMENT-IDENTIFIER: US 6455284 B1

TITLE: Metabolically engineered E. coli for enhanced production of oxaloacetate-derived biochemicals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 5. Document ID: US 6403351 B1

L3: Entry 5 of 17

File: USPT

Jun 11, 2002

US-PAT-NO: 6403351

DOCUMENT-IDENTIFIER: US 6403351 B1

TITLE: Pyruvate carboxylase polypeptide from Corynebacterium glutamicum

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6338962 B1

L3: Entry 6 of 17

File: USPT

Jan 15, 2002

US-PAT-NO: 6338962

DOCUMENT-IDENTIFIER: US 6338962 B1

TITLE: Use of a non-mammalian DNA virus to express an exogenous gene in a mammalian cell

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6338953 B1

L3: Entry 7 of 17

File: USPT

Jan 15, 2002

US-PAT-NO: 6338953

DOCUMENT-IDENTIFIER: US 6338953 B1

TITLE: Expression of an exogenous gene in a mammalian cell by use of a non-mammalian DNA virus having an altered coat protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6281009 B1

L3: Entry 8 of 17

File: USPT

Aug 28, 2001

US-PAT-NO: 6281009

DOCUMENT-IDENTIFIER: US 6281009 B1

TITLE: Use of a non-mammalian DNA virus to express an exogenous gene in a mammalian cell

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6258595 B1

L3: Entry 9 of 17

File: USPT

Jul 10, 2001

US-PAT-NO: 6258595

DOCUMENT-IDENTIFIER: US 6258595 B1

**** See image for Certificate of Correction ****

TITLE: Compositions and methods for helper-free production of recombinant adeno-associated viruses

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

☐ 10. Document ID: US 6238914 B1

L3: Entry 10 of 17

File: USPT

May 29, 2001

US-PAT-NO: 6238914

DOCUMENT-IDENTIFIER: US 6238914 B1

TITLE: Use of a non-mammalian DNA virus to express an exogenous gene in a mammalian cell

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 17 of 17 returned.**☐ 11. Document ID: US 6190887 B1

L3: Entry 11 of 17

File: USPT

Feb 20, 2001

US-PAT-NO: 6190887

DOCUMENT-IDENTIFIER: US 6190887 B1

TITLE: Expression of an exogenous gene in a mammalian cell by use of a non-mammalian DNA virus having an altered coat protein

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 12. Document ID: US 6183993 B1

L3: Entry 12 of 17

File: USPT

Feb 6, 2001

US-PAT-NO: 6183993

DOCUMENT-IDENTIFIER: US 6183993 B1

TITLE: Complement-resistant non-mammalian DNA viruses and uses thereof

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 13. Document ID: US 6171833 B1

L3: Entry 13 of 17

File: USPT

Jan 9, 2001

US-PAT-NO: 6171833

DOCUMENT-IDENTIFIER: US 6171833 B1

TITLE: Pyruvate carboxylase from corynebacterium glutamicum

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 14. Document ID: US 6165500 A

L3: Entry 14 of 17

File: USPT

Dec 26, 2000

US-PAT-NO: 6165500

DOCUMENT-IDENTIFIER: US 6165500 A

TITLE: Preparation for the application of agents in mini-droplets

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)

☐ 15. Document ID: US 5871986 A

L3: Entry 15 of 17

File: USPT

Feb 16, 1999

US-PAT-NO: 5871986

DOCUMENT-IDENTIFIER: US 5871986 A

TITLE: Use of a baculovirus to express and exogenous gene in a mammalian cell

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5731182 A

L3: Entry 16 of 17

File: USPT

Mar 24, 1998

US-PAT-NO: 5731182

DOCUMENT-IDENTIFIER: US 5731182 A

TITLE: Non-mammalian DNA virus to express an exogenous gene in a mammalian cell

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 17. Document ID: US 5573945 A

L3: Entry 17 of 17

File: USPT

Nov 12, 1996

US-PAT-NO: 5573945

DOCUMENT-IDENTIFIER: US 5573945 A

**** See image for Certificate of Correction ****

TITLE: Mutant and method for producing L-glutamic acid by fermentation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
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NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
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NEWS 7 Sep 03 JAPIO has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24 BEILSTEIN adds new search fields
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 28 Mar 20 EVENTLINE will be removed from STN
NEWS 29 Mar 24 PATDPAFULL now available on STN
NEWS 30 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 31 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS
NEWS 32 Apr 11 Display formats in DGENE enhanced
NEWS 33 Apr 14 MEDLINE Reload

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> .eliz

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The previous command name entered was not recognized by the system.

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"HELP COMMANDS" at an arrow prompt (=>).

=> fil .eliz

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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=> s pyruvate carboxylase

L1 8868 PYRUVATE CARBOXYLASE

=> s l1 (10a) (muta? or substitut? or replace?)

6 FILES SEARCHED...

L2 269 L1 (10A) (MUTA? OR SUBSTITUT? OR REPLACE?)

=> s l1 (10a) (muta? or substitut? or variant or replace?)

6 FILES SEARCHED...

L3 296 L1 (10A) (MUTA? OR SUBSTITUT? OR VARIANT OR REPLACE?)

=> dup rem l3

PROCESSING COMPLETED FOR L3
L4 117 DUP REM L3 (179 DUPLICATES REMOVED)

=> s 11 (5a) (muta? or variant)
10 FILES SEARCHED...

L5 210 L1 (5A) (MUTA? OR VARIANT)

=> dup rem 15
PROCESSING COMPLETED FOR L5
L6 83 DUP REM L5 (127 DUPLICATES REMOVED)

=> d 1-10

L6 ANSWER 1 OF 83 MEDLINE DUPLICATE 1
AN 2003060496 MEDLINE
DN 22458341 PubMed ID: 12437512
TI Expression and characterization of a human **pyruvate carboxylase variant** by retroviral gene transfer.
AU Carbone Mary Anna; Robinson Brian H
CS Research Institute, The Hospital for Sick Children, 555 University Avenue, Toronto, ON, Canada M5G 1X8.
SO BIOCHEMICAL JOURNAL, (2003 Feb 15) 370 (Pt 1) 275-82.
Journal code: 2984726R. ISSN: 0264-6021.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200303
ED Entered STN: 20030207
Last Updated on STN: 20030316
Entered Medline: 20030314

L6 ANSWER 2 OF 83 HCAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
AN 2002:293852 HCAPLUS
DN 136:321288
TI Sequence of feedback-resistant pyruvate carboxylase from *Corynebacterium glutamicum* and their uses
IN Hanke, Paul D.
PA Archer-Daniels-Midland Company, USA
SO PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002031158	A2	20020418	WO 2001-US31893	20011012
	WO 2002031158	A3	20030109		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002013146	A5	20020422	AU 2002-13146	20011012
	US 2002177202	A1	20021128	US 2001-974973	20011012
PRAI	US 2000-239913P	P	20001013		
	WO 2001-US31893	W	20011012		

L6 ANSWER 3 OF 83 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
AN 2002-16323 BIOTECHDS
TI Novel **mutated**, feedback resistant **pyruvate carboxylase** enzyme polypeptide, useful for producing amino acids e.g. L-lysine, L-threonine, L-glycine, L-glutamic acid, L-proline and L-methionine and L-isoleucine;
plasmid-mediated recombinant enzyme gene transfer and expression in

Corynebacterium sp.

AU HANKE P D
PA ARCHER-DANIELS MIDLAND CO
PI WO 2002031158 18 Apr 2002
AI WO 2000-US31893 13 Oct 2000
PRAI US 2000-239913 13 Oct 2000
DT Patent
LA English
OS WPI: 2002-463267 [49]

L6 ANSWER 4 OF 83 HCAPLUS COPYRIGHT 2003 ACS

AN 2002:791974 HCAPLUS

DN 137:309601

TI Mutations in the mqo gene of a amino acid-producing Corynebacterium glutamicum affecting yields

IN Farwick, Mike; Bathe, Brigitte; Hermann, Thomas; Marx, Achim; Pfefferle, Walter

PA Degussa AG, Germany

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10117816	A1	20021017	DE 2001-10117816	20010410
	WO 2002086137	A2	20021031	WO 2002-EP3728	20020404
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003044943	A1	20030306	US 2002-118325	20020409
PRAI	DE 2001-10117816	A	20010410		
	US 2002-352212P	P	20020129		

L6 ANSWER 5 OF 83 HCAPLUS COPYRIGHT 2003 ACS

AN 2002:349112 HCAPLUS

DN 136:354249

TI Fermentative production of L-amino acids with poxB mutants of Enterobacteriaceae

IN Thierbach, Georg; Rieping, Mechthild

PA Degussa A.-G., Germany

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10112107	A1	20020508	DE 2001-10112107	20010314
	WO 2002036797	A2	20020510	WO 2001-EP11228	20010928
	WO 2002036797	A3	20021114		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002015910	A5	20020515	AU 2002-15910	20010928
	US 2003017554	A1	20030123	US 2002-76416	20020219
PRAI	DE 2000-10054748	IA	20001104		

US 2000-248210P P 20001
DE 2001-10112107 A 20010314
US 2001-283612P P 20010416
WO 2001-EP11228 W 20010928
US 2001-987541 B1 20011115

L6 ANSWER 6 OF 83 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 3
AN 2002:295166 SCISEARCH
GA The Genuine Article (R) Number: 535WJ
TI Effect of aniA (carbon flux regulator) and phaC (poly-beta-hydroxybutyrate
synthase) mutations on pyruvate metabolism in Rhizobium etli
AU Dunn M F (Reprint); Araiza G; Encarnacion S; del Vargas M; Mora J
CS Univ Nacl Autonoma Mexico, Ctr Invest Fijac Nitrogeno, Programa Ingn
Metab, Apartado Postal 565-A, Cuernavaca, Morelos, Mexico (Reprint); Univ
Nacl Autonoma Mexico, Ctr Invest Fijac Nitrogeno, Programa Ingn Metab,
Cuernavaca, Morelos, Mexico
CYA Mexico
SO JOURNAL OF BACTERIOLOGY, (APR 2002) Vol. 184, No. 8, pp. 2296-2299.
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904
USA.
ISSN: 0021-9193.
DT Article; Journal
LA English
REC Reference Count: 26
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L6 ANSWER 7 OF 83 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:594429 BIOSIS
DN PREV200200594429
TI Differential expression of **pyruvate carboxylase** 5'UTR
variants during transition to lactation.
AU Agca, C. (1); Donkin, S. S. (1)
CS (1) Purdue University, West Lafayette, IN USA
SO Journal of Dairy Science, (2002) Vol. 85, No. Supplement 1, pp. 302.
<http://www.ADSA.org/jds>. print.
Meeting Info.: Meeting of the American Society of Animal Science and the
American Dairy Science Association Quebec City, Quebec, Canada July 20-25,
2002 American Society of Animal Science
. ISSN: 0022-0302.
DT Conference
LA English

L6 ANSWER 8 OF 83 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:608213 BIOSIS
DN PREV200200608213
TI Characterization of a **pyruvate carboxylase**
mutant of Azotobacter vinelandii: Effect on the accumulation of
the reserve polymer polyhydroxybutyrate (PHB).
AU Segura, D. (1); Cruz, T. (1); Espin, G. (1)
CS (1) Instituto de Biotecnologia, Universidad Nacional Autonoma de Mexico,
Cuernavaca, MOR Mexico
SO Abstracts of the General Meeting of the American Society for Microbiology,
(2002) Vol. 102, pp. 281. <http://www.asmtg.org/mtgsrc/generalmeeting.htm>.
print.
Meeting Info.: 102nd General Meeting of the American Society for
Microbiology Salt Lake City, UT, USA May 19-23, 2002 American Society for
Microbiology
. ISSN: 1060-2011.
DT Conference
LA English

L6 ANSWER 9 OF 83 MEDLINE DUPLICATE 4
AN 2002144336 MEDLINE
DN 21865288 PubMed ID: 11876415
TI A novel methodology employing Corynebacterium glutamicum genome
information to generate a new L-lysine-producing mutant.
AU Ohnishi J; Mitsuhashi S; Hayashi M; Ando S; Yokoi H; Ochiai K; Ikeda M
CS Tokyo Research Laboratories, Kyowa Hakko Kogyo Co, Ltd, Machida, Japan.
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (2002 Feb) 58 (2) 217-23.

Journal code: 8406612. ISSN 175-7598.
 CY Germany: Germany, Federal Republic of
 DT (EVALUATION STUDIES)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AX120365; GENBANK-AX120849; GENBANK-AX123536
 EM 200209
 ED Entered STN: 20020307
 Last Updated on STN: 20020928
 Entered Medline: 20020927

L6 ANSWER 10 OF 83 MEDLINE DUPLICATE 5
 AN 2002366648 MEDLINE
 DN 22106101 PubMed ID: 12112657
 TI Intron retention and frameshift **mutations** result in severe
pyruvate carboxylase deficiency in two male siblings.
 AU Carbone Mary Anna; Applegarth Derek A; Robinson Brian H
 CS Research Institute, Hospital for Sick Children and the Department of
 Biochemistry at the University of Toronto, Toronto, Ontario, Canada.
 SO HUMAN MUTATION, (2002 Jul) 20 (1) 48-56.
 Journal code: 9215429. ISSN: 1098-1004..
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200208
 ED Entered STN: 20020712
 Last Updated on STN: 20020806
 Entered Medline: 20020805

=> s 16 and py<=2000

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Numeric values may contain 1-8 significant figures. If range notation is used, both the beginning and the end of the range must be specified, e.g., '250-300/MW'. Expressions such as '250-/MW' are not allowed. To search for values above or below a given number, use the >, =>, <, or <= operators, e.g., 'MW => 250'. Text terms cannot be used in numeric expressions. If you specify a unit, it must be dimensionally correct for that field code. To see the unit designations for field codes in the current file, enter "DISPLAY UNIT ALL" at an arrow prompt (=>).

=> s 16 and py<=2000

3 FILES SEARCHED...
 5 FILES SEARCHED...
 8 FILES SEARCHED...

L7 68 L6 AND PY<=2000

=> d 1-10

L7 ANSWER 1 OF 68 MEDLINE
 AN 1999181426 MEDLINE
 DN 99181426 PubMed ID: 10081585
 TI Physiological characterisation of a **pyruvate-carboxylase**
 -negative *Saccharomyces cerevisiae* **mutant** in batch and chemostat
 cultures.
 AU de Jong-Gubbels P; Bauer J; Niederberger P; Stuckrath I; Kotter P; van

CS Dijken J P; Pronk J T
 Kluyver Institute of Biotechnology, Delft University of Technology, The Netherlands.
 SO ANTONIE VAN LEEUWENHOEK, (1998 Nov) 74 (4) 253-63.
 Journal code: 0372625. ISSN: 0003-6072.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199905
 ED Entered STN: 19990517
 Last Updated on STN: 19990517
 Entered Medline: 19990503

L7 ANSWER 2 OF 68 MEDLINE
 AN 1998301182 MEDLINE
 DN 98301182 PubMed ID: 9639311
 TI Isolation of the *Pichia pastoris* PYC1 gene encoding pyruvate carboxylase and identification of a suppressor of the pyc phenotype.
 AU Menendez J; Delgado J; Gancedo C
 CS Centro de Ingenieria Genetica y Biotecnologia, Havana, Cuba.
 SO YEAST, (1998 May) 14 (7) 647-54.
 Journal code: 8607637. ISSN: 0749-503X.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-Y11106
 EM 199809
 ED Entered STN: 19980925
 Last Updated on STN: 19980925
 Entered Medline: 19980915

L7 ANSWER 3 OF 68 MEDLINE
 AN 97420476 MEDLINE
 DN 97420476 PubMed ID: 9276461
 TI Expression of PEP carboxylase from *Escherichia coli* complements the phenotypic effects of **pyruvate carboxylase mutations** in *Saccharomyces cerevisiae*.
 AU Flores C L; Gancedo C
 CS Instituto de Investigaciones Biomedicas, Unidad de Bioquimica y Genetica de Levaduras, Madrid, Spain.
 SO FEBS LETTERS, (1997 Aug 4) 412 (3) 531-4.
 Journal code: 0155157. ISSN: 0014-5793.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199709
 ED Entered STN: 19970922
 Last Updated on STN: 19980206
 Entered Medline: 19970911

L7 ANSWER 4 OF 68 MEDLINE
 AN 96427329 MEDLINE
 DN 96427329 PubMed ID: 8830693
 TI **Pyruvate carboxylase** from *Rhizobium etli*: **mutant** characterization, nucleotide sequence, and physiological role.
 AU Dunn M F; Encarnacion S; Araiza G; Vargas M C; Davalos A; Peralta H; Mora Y; Mora J
 CS Departamento de Ecologia Molecular, Centro de Investigacion sobre Fijacion de Nitrogeno, Universidad Nacional Autonoma de Mexico, Cuernavaca, Morelos.. mike@cifn.unam.mx
 SO JOURNAL OF BACTERIOLOGY, (1996 Oct) 178 (20) 5960-70.
 Journal code: 2985120R. ISSN: 0021-9193.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English

FS Priority Journals
 OS GENBANK-U51439
 EM 199612
 ED Entered STN: 19970128
 Last Updated on STN: 19980206
 Entered Medline: 19961203

L7 ANSWER 5 OF 68 MEDLINE
 AN 96128228 MEDLINE
 DN 96128228 PubMed ID: 8543050
 TI A mutation affecting carbon catabolite repression suppresses growth defects in **pyruvate carboxylase mutants** from *Saccharomyces cerevisiae*.
 AU Blazquez M A; Gamo F J; Gancedo C
 CS Instituto de Investigaciones Biomedicas del C.S.I.C., Unidad de Bioquimica y Genetica de Levaduras, Madrid, Spain.
 SO FEBS LETTERS, (1995 Dec 18) 377 (2) 197-200.
 Journal code: 0155157. ISSN: 0014-5793.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199602
 ED Entered STN: 19960227
 Last Updated on STN: 19960227
 Entered Medline: 19960213

L7 ANSWER 6 OF 68 MEDLINE
 AN 92111527 MEDLINE
 DN 92111527 PubMed ID: 1765093
 TI Site-directed mutagenesis of the conserved histidine residue of phosphoenolpyruvate carboxylase. His138 is essential for the second partial reaction.
 AU Terada K; Izui K
 CS Department of Chemistry, Faculty of Science, Kyoto University, Japan.
 SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1991 Dec 18) 202 (3) 797-803.
 Journal code: 0107600. ISSN: 0014-2956.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199202
 ED Entered STN: 19920308
 Last Updated on STN: 19920308
 Entered Medline: 19920214

L7 ANSWER 7 OF 68 MEDLINE
 AN 91367547 MEDLINE
 DN 91367547 PubMed ID: 1909777
 TI **Pyruvate carboxylase** deficiency: a benign variant with normal development.
 AU Van Coster R N; Fernhoff P M; De Vivo D C
 CS Division of Pediatric Neurology, Columbia Presbyterian Medical Center, New York, New York 10032.
 SO PEDIATRIC RESEARCH, (1991 Jul) 30 (1) 1-4.
 Journal code: 0100714. ISSN: 0031-3998.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199110
 ED Entered STN: 19911103
 Last Updated on STN: 20000303
 Entered Medline: 19911017

L7 ANSWER 8 OF 68 MEDLINE
 AN 91337144 MEDLINE
 DN 91337144 PubMed ID: 1872883
 TI Isolation of a yeast **mutant** deficient in **pyruvate**

AU **carboxylase** activity.
 CS Walker M E; Wallace J C
 SO Department of Biochemistry, University of Adelaide, South Australia.
 BIOCHEMISTRY INTERNATIONAL, (1991 Mar) 23 (4) 697-705.
 Journal code: 8100311. ISSN: 0158-5231.
 CY Australia
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199109
 ED Entered STN: 19911006
 Last Updated on STN: 19911006
 Entered Medline: 19910919

L7 ANSWER 9 OF 68 MEDLINE
 AN 88051001 MEDLINE
 DN 88051001 PubMed ID: 3315006
 TI ¹³C-NMR analysis of Aspergillus mutants disturbed in pyruvate metabolism.
 AU Dijkema C; Visser J
 CS Department of Molecular Physics, Agricultural University, Wageningen, The Netherlands.
 SO BIOCHIMICA ET BIOPHYSICA ACTA, (1987 Dec 10) 931 (3) 311-9.
 Journal code: 0217513. ISSN: 0006-3002.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198801
 ED Entered STN: 19900305
 Last Updated on STN: 19970203
 Entered Medline: 19880115

L7 ANSWER 10 OF 68 MEDLINE
 AN 88022791 MEDLINE
 DN 88022791 PubMed ID: 3116940
 TI **Pyruvate carboxylase** in the yeast pyc mutant
 AU Lim F; Rohde M; Morris C P; Wallace J C
 CS Department of Biochemistry, University of Adelaide, Australia.
 SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1987 Oct) 258 (1) 259-64.
 Journal code: 0372430. ISSN: 0003-9861.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198711
 ED Entered STN: 19900305
 Last Updated on STN: 19990129
 Entered Medline: 19871112

=> d 11-20

L7 ANSWER 11 OF 68 MEDLINE
 AN 87062482 MEDLINE
 DN 87062482 PubMed ID: 3939532
 TI Pyruvate carboxylase deficiencies: complementation studies between "French" and "American" phenotypes in cultured fibroblasts.
 AU Augereau C; Pham Dinh D; Moncion A; Marsac C; Saudubray J M; Robinson B H
 SO JOURNAL OF INHERITED METABOLIC DISEASE, (1985) 8 (2) 59-62.
 Journal code: 7910918. ISSN: 0141-8955.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198701
 ED Entered STN: 19900302
 Last Updated on STN: 20000303

Entered Medline: 19870109

L7 ANSWER 12 OF 68 MEDLINE
AN 87035556 MEDLINE
DN 87035556 PubMed ID: 3534135
TI Characterization of *Aspergillus nidulans* mutants in carbon metabolism isolated after D-galacturonate enrichment.
AU Uitzetter J H; Bos C J; Visser J
SO JOURNAL OF GENERAL MICROBIOLOGY, (1986 May) 132 (Pt 5) 1167-72.
Journal code: 0375371. ISSN: 0022-1287.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198612
ED Entered STN: 19900302
Last Updated on STN: 19980206
Entered Medline: 19861205

L7 ANSWER 13 OF 68 MEDLINE
AN 85120902 MEDLINE
DN 85120902 PubMed ID: 3882052
TI **Pyruvate carboxylase** deficiency in yeast: a mutant affecting the interaction between the glyoxylate and Krebs cycles.
AU Wills C; Melham T
NC GM 32025 (NIGMS)
SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1985 Feb 1) 236 (2) 782-91.
Journal code: 0372430. ISSN: 0003-9861.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198503
ED Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19850321

L7 ANSWER 14 OF 68 MEDLINE
AN 84175963 MEDLINE
DN 84175963 PubMed ID: 6424438
TI The molecular basis for the two different clinical presentations of classical pyruvate carboxylase deficiency.
AU Robinson B H; Oei J; Sherwood W G; Applegarth D; Wong L; Haworth J; Goodyer P; Casey R; Zaleski L A
SO AMERICAN JOURNAL OF HUMAN GENETICS, (1984 Mar) 36 (2) 283-94.
Journal code: 0370475. ISSN: 0002-9297.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198405
ED Entered STN: 19900319
Last Updated on STN: 20000303
Entered Medline: 19840502

L7 ANSWER 15 OF 68 MEDLINE
AN 83285866 MEDLINE
DN 83285866 PubMed ID: 6883708
TI A mutation of **pyruvate carboxylase** in fibroblasts from a patient with severe, chronic lactic acidemia.
AU Hansen T L; Christensen E; Willems J L; Trijbels J M
SO CLINICA CHIMICA ACTA, (1983 Jun 30) 131 (1-2) 39-44.
Journal code: 1302422. ISSN: 0009-8981.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 198310
ED Entered STN: 19900319
Last Updated on STN: 19990129
Entered Medline: 19831008

L7 ANSWER 16 OF 68 MEDLINE
AN 80008066 MEDLINE
DN 80008066 PubMed ID: 479837
TI The control of the synthesis of isocitrate lyase in a thermophilic bacillus.
AU Griffiths M W
SO JOURNAL OF GENERAL MICROBIOLOGY, (1979 Jun) 112 (2) 357-64.
Journal code: 0375371. ISSN: 0022-1287.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197911
ED Entered STN: 19900315
Last Updated on STN: 19980206
Entered Medline: 19791128

L7 ANSWER 17 OF 68 MEDLINE
AN 78152784 MEDLINE
DN 78152784 PubMed ID: 417147
TI A heat-sensitive lysis mutant of Bacillus subtilis 168 with a low activity of pyruvate carboxylase.
AU Buxton R S
SO JOURNAL OF GENERAL MICROBIOLOGY, (1978 Apr) 105 (2) 175-85.
Journal code: 0375371. ISSN: 0022-1287.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197806
ED Entered STN: 19900314
Last Updated on STN: 19900314
Entered Medline: 19780617

L7 ANSWER 18 OF 68 MEDLINE
AN 76134909 MEDLINE
DN 76134909 PubMed ID: 175748
TI Effect of aeration on the activity of gluconeogenic enzymes in Saccharomyces cerevisiae growing under glucose limitation.
AU Haarasilta S; Oura E
SO ARCHIVES OF MICROBIOLOGY, (1975 Dec 31) 106 (3) 271-3.
Journal code: 0410427. ISSN: 0302-8933.
CY GERMANY, WEST: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197604
ED Entered STN: 19900313
Last Updated on STN: 19980206
Entered Medline: 19760423

L7 ANSWER 19 OF 68 MEDLINE
AN 74168570 MEDLINE
DN 74168570 PubMed ID: 4208415
TI **Pyruvate carboxylase** deficiency in pleiotropic carbohydrate-negative mutant strains of Pseudomonas aeruginosa.
AU Phibbs P V Jr; Feary T W; Blevins W T
SO JOURNAL OF BACTERIOLOGY, (1974 Jun) 118 (3) 999-1009.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197407

ED Entered STN: 19900310
Last Updated on STN: 19970203
Entered Medline: 19740719

L7 ANSWER 20 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 2000:502705 SCISEARCH
GA The Genuine Article (R) Number: 328ML
TI Mutations in GAL2 or GAL4 alleviate catabolite repression produced by
galactose in *Saccharomyces cerevisiae*
AU Rodriguez C; Flores C L (Reprint)
CS UNIV AUTONOMA MADRID, CSIC, INST INVEST BIOMED ALBERTO SOLS, UNIDAD
BIOQUIM & GENET LEVADURAS, E-28029 MADRID, SPAIN (Reprint); UNIV AUTONOMA
MADRID, CSIC, INST INVEST BIOMED ALBERTO SOLS, UNIDAD BIOQUIM & GENET
LEVADURAS, E-28029 MADRID, SPAIN; UNIV LA HABANA, FAC BIOL, DEPT BIOQUIM,
HAVANA, CUBA
CYA SPAIN; CUBA
SO ENZYME AND MICROBIAL TECHNOLOGY, (JUN 2000) Vol. 26, No. 9-10,
pp. 748-755.
Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE AMERICAS, NEW YORK, NY
10010.
ISSN: 0141-0229.
DT Article; Journal
FS LIFE; AGRI
LA English
REC Reference Count: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=> d 21-30

L7 ANSWER 21 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 96:598989 SCISEARCH
GA The Genuine Article (R) Number: VB017
TI MATHEMATICAL-MODELING OF THE CRITIC ACID CYCLE FOR THE ANALYSIS OF
GLUTAMINE ISOTOPOMERS FROM CEREBELLAR ASTROCYTES INCUBATED WITH
[1-C-13]GLUCOSE
AU MERLE M; MARTIN M; VILLEGIER A; CANIONI P (Reprint)
CS UNIV BORDEAUX 2, UNITE RESONANCE MAGNET SYST BIOL, UMR 5536 CNRS, 146 RUE
LEO SAIGNAT, F-33076 BORDEAUX, FRANCE (Reprint); UNIV BORDEAUX 2, UNITE
RESONANCE MAGNET SYST BIOL, UMR 5536 CNRS, F-33076 BORDEAUX, FRANCE
CYA FRANCE
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (01 AUG 1996) Vol. 239, No. 3,
pp. 742-751.
ISSN: 0014-2956.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 21
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 22 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 94:177461 SCISEARCH
GA The Genuine Article (R) Number: MZ715
TI EFFECTS OF PHOSPHOENOL PYRUVATE-CARBOXYLASE DEFICIENCY ON METABOLISM AND
LYSINE PRODUCTION IN *CORYNEBACTERIUM-GLUTAMICUM*
AU GUBLER M (Reprint); PARK S M; JETTEN M; STEPHANOPOULOS G; SINSKEY A J
CS HOFFMANN LA ROCHE AG, CH-4002 BASEL, SWITZERLAND (Reprint); MIT, DEPT
BIOL, CAMBRIDGE, MA, 02139; MIT, DEPT CHEM ENGN, CAMBRIDGE, MA, 02139
CYA SWITZERLAND; USA
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (FEB 1994) Vol. 40, No.
6, pp. 857-863.
ISSN: 0175-7598.
DT Article; Journal
FS LIFE; AGRI
LA ENGLISH
REC Reference Count: 33
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 23 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)

AN 91:369598 SCISEARCH
 GA The Genuine Article (R) Number: FT788
 TI **PYRUVATE-CARBOXYLASE DEFICIENCY - A BENIGN
 VARIANT WITH NORMAL DEVELOPMENT**
 AU VANCOSTER R N; FERNHOFF P M; DEVIVO D C (Reprint)
 CS COLUMBIA PRESBYTERIAN MED CTR, DIV PEDIAT NEUROL, NEW YORK, NY, 10032;
 EMORY UNIV, SCH MED, DEPT PEDIAT, DIV MED GENET, ATLANTA, GA, 30322
 CYA USA
 SO PEDIATRIC RESEARCH, (1991) Vol. 30, No. 1, pp. 1-4.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 36
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 24 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)
 AN 87:573195 SCISEARCH
 GA The Genuine Article (R) Number: K3038
 TI **PYRUVATE-CARBOXYLASE IN THE YEAST PYC MUTANT**
 AU LIM F; ROHDE M; MORRIS C P; WALLACE J C (Reprint)
 CS UNIV ADELAIDE, DEPT BIOCHEM, ADELAIDE, SA 5001, AUSTRALIA
 CYA AUSTRALIA
 SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1987) Vol. 258, No. 1,
 pp. 259-264.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 16

L7 ANSWER 25 OF 68 SCISEARCH COPYRIGHT 2003 ISI (R)
 AN 85:108797 SCISEARCH
 GA The Genuine Article (R) Number: ABZ03
 TI **PYRUVATE-CARBOXYLASE DEFICIENCY IN YEAST - A
 MUTANT AFFECTING THE INTERACTION BETWEEN THE GLYOXYLATE AND KREBS
 CYCLES**
 AU WILLS C (Reprint); MELHAM T
 CS UNIV CALIF SAN DIEGO, DEPT BIOL, LA JOLLA, CA, 92093 (Reprint)
 CYA USA
 SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1985) Vol. 236, No. 2,
 pp. 782-791.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 27

L7 ANSWER 26 OF 68 LIFESCI COPYRIGHT 2003 CSA
 AN 95:22015 LIFESCI
 TI **Pyruvate carboxylase deficiency: A benign
 variant with normal development**
 AU Coster, R.N.V.; Fernhoff, P.M.; De Vivo, D.C.*
 CS Neurol. Inst., 710 W. 168 St., New York, NY 10032, USA
 SO PEDIATR. RES., (1991) vol. 30, no. 1, pp. 1-4.
 DT Journal
 FS G
 LA English
 SL English

L7 ANSWER 27 OF 68 LIFESCI COPYRIGHT 2003 CSA
 AN 81:22368 LIFESCI
 TI Interaction Between Aminosidine and Doxorubicin on E. coli Wild Strain
 and Respiratory Deficient Mutant.
 AU Morvillo, E.; Sanfilippo, A.; Schioppacassi, G.
 CS Farmitalia Carlo Erba, Res. Lab., Via Giovanni XXIII, 20014 Nerviano (Mi),
 Italy
 SO MICROBIOLOGICA (BOLOGNA)., (1981) vol. 4, no. 4, pp. 421-430.
 DT Journal
 FS J; A; G
 LA English
 SL English

L7, ANSWER 28 OF 68 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 AN 1997-04725 BIOTECHDS
 TI DNA encoding **mutant pyruvate-carboxylase**;
 Zymomonas mobilis recombinant enzyme preparation by vector expression
 in host cell
 AU Bruhn H; Pohl M; Mesch K; Kula M R
 PA Forsch.Zent.Juelich
 LO Juelich, Germany.
 PI WO 9637620 28 Nov 1996
 AI WO 1996-DE928 22 May 1996
 PRAI DE 1995-1023269 29 Jun 1995; DE 1995-101880P 26 May 1995
 DT Patent
 LA English
 OS WPI: 1997-033996 [03]

L7 ANSWER 29 OF 68 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 AN 1986-06526 BIOTECHDS
 TI Properties of Candida lipolytica mutants with the modified glycoylate
 cycle and their ability to produce citric and isocitric acid: I.
 Physiological, biochemical and cytological characteristics of mtuants
 grown on glucose or hexadecane;
 comparison with wild-type strain; n-alkane utilization by mutant
 AU Ermakova I T; Shishkanova N V; Melnikova O F; *Finogenova T V
 LO Institute of Biochemistry and Physiology of Microorganisms, USSR Academy
 of Sciences, Pushchino, Moscow region, 142292, USSR.
 SO Appl.Microbiol.Biotechnol.; (1986) 23, 5, 372-77
 CODEN: EJABDD
 DT Journal
 LA English

L7 ANSWER 30 OF 68 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 AN 1984-01310 BIOTECHDS
 TI Genetic and physiological studies on carbon metabolism in Aspergillus
 nidulans;
 analysis of glycolytic mutants and C-metabolism in vivo (conference
 abstract)
 AU Bos C J; Dijkena C; Kester H C W; Kobus G; Visser J
 LO Department of Genetics, Agricultural University, Gen. Foulkesweg 53, 6703
 EM Wageningen, The Netherlands.
 SO Symp.Biotechnol.Res.Neth; (1983) 172
 DT Journal
 LA English

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 L8 4 L7 AND (RESISTANT OR DESENSITI?)

=> d 1-4

L8 ANSWER 1 OF 4 SCISEARCH COPYRIGHT 2003 ISI (R)
 AN 94:177461 SCISEARCH
 GA The Genuine Article (R) Number: MZ715
 TI EFFECTS OF PHOSPHOENOL PYRUVATE-CARBOXYLASE DEFICIENCY ON METABOLISM AND
 LYSINE PRODUCTION IN CORYNEBACTERIUM-GLUTAMICUM
 AU GUBLER M (Reprint); PARK S M; JETTEN M; STEPHANOPOULOS G; SINSKEY A J
 CS HOFFMANN LA ROCHE AG, CH-4002 BASEL, SWITZERLAND (Reprint); MIT, DEPT
 BIOL, CAMBRIDGE, MA, 02139; MIT, DEPT CHEM ENGN, CAMBRIDGE, MA, 02139
 CYA SWITZERLAND; USA
 SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (FEB 1994) Vol. 40, No.
 6, pp. 857-863.
 ISSN: 0175-7598.
 DT Article; Journal
 FS LIFE; AGRI
 LA ENGLISH
 REC Reference Count: 33
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 2 OF 4 LIFESCI COPYRIGHT 2003 CSA

AN 81:22368 LIFESCI
TI Interaction Between Aminoglycoside and Doxorubicin on E. coli Wild Strain
and Respiratory Deficient Mutant.
AU Morvillo, E.; Sanfilippo, A.; Schioppacassi, G.
CS Farmitalia Carlo Erba, Res. Lab., Via Giovanni XXIII, 20014 Nerviano (Mi),
Italy
SO MICROBIOLOGICA (BOLOGNA)., (1981) vol. 4, no. 4, pp. 421-430.
DT Journal
FS J; A; G
LA English
SL English

L8 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1983:260535 BIOSIS
DN BA76:18027
TI PROPERTIES OF A BACILLUS-SUBTILIS MUTANT ABLE TO SPORULATE CONTINUALLY
DURING GROWTH IN SYNTHETIC MEDIUM.
AU ENDO T; ISHIHARA H-O; FREESE E
CS LAB. MOLECULAR BIOL., NATIONAL INSTITUTE NEUROL. COMMUNICATIVE DISORDERS
STROKES, NIH, BUILDING 36, ROOM 3D02, BETHESDA, MARYLAND 20205.
SO J GEN MICROBIOL, (1983) 129 (1), 17-30.
CODEN: JGMIAN. ISSN: 0022-1287.
FS BA; OLD
LA English

L8 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1977:230504 BIOSIS
DN BA64:52868
TI STUDIES ON THE ALLO STERIC PROPERTIES OF **MUTATIONALLY** ALTERED
PHOSPHOENOL **PYRUVATE CARBOXYLASES** EC-4.1.1.31 OF
ESCHERICHIA-COLI DISCRIMINATION OF ALLO STERIC SITES.
AU MORIKAWA M; IZUI K; KATSUKI H
SO J BIOCHEM (TOKYO), (1977) 81 (5), 1473-1486.
CODEN: JOBIAO. ISSN: 0021-924X.
FS BA; OLD
LA Unavailable

=> d 1 ab

L8 ANSWER 1 OF 4 SCISEARCH COPYRIGHT 2003 ISI (R)
AB The phosphoenol pyruvate carboxylase gene (ppc) of lysine-producing
Corynebacterium glutamicum and C. lactofermentum strains was inactivated
by marker exchange **mutagenesis**. The **mutants** lacked
completely phosphoenol **pyruvate carboxylase** (PEP
carboxylase) activity, but grew in minimal medium containing glucose as
the sole carbon source. In addition, the ppc(-) strains produced
equivalent titers of lysine in shake flasks and in 10-1 fermentation
experiments as their parent strains. To address the question of how ppc(-)
Corynebacterium strains generate oxaloacetate (OAA) for their own
metabolism as well as for high-level lysine production, we measured the
activities of enzymes leading to OAA synthesis. Whereas pyruvate
carboxylase activity was not detected in any of the strains, phosphoenol
pyruvate carboxykinase (PEP carboxykinase) activity was found to be
significantly higher in C. glutamicum ppc mutants compared to the parent
strains. On the other hand, PEP carboxykinase activity in C.
lactofermentum was essentially absent. As glyoxylate cycle enzymes are
strongly repressed by glucose, they are not likely to compensate for the
lack of PEP carboxylase activity. PEP carboxykinase, among several
candidates, could play this role.

=> dis his

(FILE 'HOME' ENTERED AT 13:05:21 ON 16 APR 2003)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 13:05:34 ON 16 APR 2003

L1 8868 S PYRUVATE CARBOXYLASE

L2 269 S L1 (10A) (MUTA? SUBSTITUT? OR REPLACE?)
L3 296 S L1 (10A) (MUTA? OR SUBSTITUT? OR VARIANT OR REPLACE?)
L4 117 DUP REM L3 (179 DUPLICATES REMOVED)
L5 210 S L1 (5A) (MUTA? OR VARIANT)
L6 83 DUP REM L5 (127 DUPLICATES REMOVED)
L7 68 S L6 AND PY<=2000
L8 4 S L7 AND (RESISTANT OR DESENSITI?)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
109.39	109.60

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:19:37 ON 16 APR 2003